

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (Currently Amended) A motor stator ~~comprised of~~ comprising a lamination body in which conductive layers and insulating layers are laminated alternately, ~~characterized in that~~ a plurality of sets of coils of wound conductive patterns ~~are being~~ formed on each conductive layer, and said coils of conductive layers ~~adjoined via said insulating layers are connected~~ being connected to each other via through holes formed on said insulating layers.

2. (Original) The stator according to claim 1 characterized in that a drive circuit of said coil is provided in at least one of said conductive layers.

3. (Currently Amended) The stator according to claim 1 ~~or 2~~ characterized in that said conductive layer is formed on an insulating substrate as said insulating layer.

4. (Currently Amended) The stator according to ~~any one of claims 1 to 3~~ claim 1 characterized in that each winding of the coils of the conductive layers adjoining each other via said insulating layers are connected to each other via said through holes.

5. (Original) The stator according to claim 1 characterized in that said conductive pattern is formed in a planar direction of the conductive layer.

6. (Currently Amended) A motor stator ~~comprised of~~ comprising a lamination body in which conductive layers and insulating layers are laminated alternately, ~~characterized in that~~ a plurality of sets of coils of wound conductive patterns ~~are being~~ formed on the conductive layer, said coils ~~linked via said insulating layers are being~~ connected to each other via ~~the~~ through holes formed on

said insulating layers, and said coils ~~are-being~~ formed in a layered direction of a plurality of conductive layers.

7. (Currently Amended) A motor comprising the stator according to ~~any one of claims 1 to 5~~ claim 1 and a rotor comprising a permanent magnet.

8. (Currently Amended) A coil structure ~~in which~~ comprising and wherein a plurality of conductive layers and insulating layers are laminated alternately, coils with wound conductive patterns are formed on each conductive layer, the coils ~~of the conductive layers~~ adjoined via said insulating layers ~~are-being~~ electrically connected with one another via ~~the~~ through holes formed in said insulating layers, ~~the coil structure being characterized in that~~ said through hole is formed for each wind of said conductive pattern of said coil, which, via said through hole, is electrically connected with each wind of the conductive pattern of the coil of the conductive layers adjoined via said insulating layers.

9. (Currently Amended) The coil structure according to claim 8 ~~characterized in that~~ wherein said conductive pattern is formed in a planar direction of said conductive layer.

10. (Currently Amended) A coil structure ~~comprised of~~ comprising a lamination body in which conductive layers and insulating layers are laminated alternately, ~~characterized in that~~ a plurality of sets of coils of wound conductive patterns ~~are-being~~ formed on the conductive layer, said coils ~~linked via said insulating layers~~ are-being connected to each other via ~~the~~ through holes formed on said insulating layers, and said coils ~~are-being~~ formed in a layered direction of a plurality of conductive layers.

11. (Currently Amended) The motor according to claim 7, ~~characterized in that~~ wherein said stator is made of an inner stator and an outer stator which are respectively formed in a ring shape, and a rotor formed in a ring shape is provided between said stators which rotates integrally with a rotatably supported axis.

12. (Currently Amended) The motor according to claim 11 ~~characterized in that~~wherein said coil pattern is formed along a layered direction of said plurality of conductive layers.

13. (Currently Amended) The motor according to claim 12 ~~characterized in that~~wherein said coil pattern is formed in a spiral shape along a layered direction of said conductive layers.

14. (Currently Amended) The motor according to claim 13 ~~characterized in that~~wherein said spiral-shaped coil pattern is formed over a plurality of layers along a radial direction of the stator.